

# QUIZ

Think that we have projects table, each project belongs to a “company” , and each project has many tasks. We should have 3 tables with the following fields:

**companies (id, title, created\_at, updated\_at)**

**projects (id, company\_id, title, created\_at, updated\_at)**

**tasks ( id, project\_id, title, description, created\_at, updated\_at)**

So please do the following things below:

- Create migration files to create tables ( pay attention to create foreign keys) .  
No need to create seed files. It's ok to seed tables manually from phpmyadmin
- Create models for “**companies**”, “**projects**” and “**tasks**” and make the relations.
- Create a controller for “**companies**” model.
- CompanyController “index” method, build an eloquent eager loading query for getting each companies , including projects and tasks.
- Show company title, projects titles , and count of tasks belong to each project. Like the example below.

“Company name” has following projects

Project title1 ( count of tasks)

Project title 2 ( count of tasks)

“Company name 2” has following projects

Project title 1 ( count of tasks)

Project title 2 ( count of tasks)

- No need to use view files. You can just output data to the screen in controller.
- Please be sure your fire maximum “3” sql query and not exceed this number.  
Pay attention to use eager loading for the relations.